



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
21.01.2004 Bulletin 2004/04

(51) Int Cl.7: **G06F 17/60, G06F 17/28**

(43) Date of publication A2:
05.12.2001 Bulletin 2001/49

(21) Application number: **01112622.4**

(22) Date of filing: **23.05.2001**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR**
Designated Extension States:
AL LT LV MK RO SI

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(30) Priority: **26.05.2000 JP 2000156057**

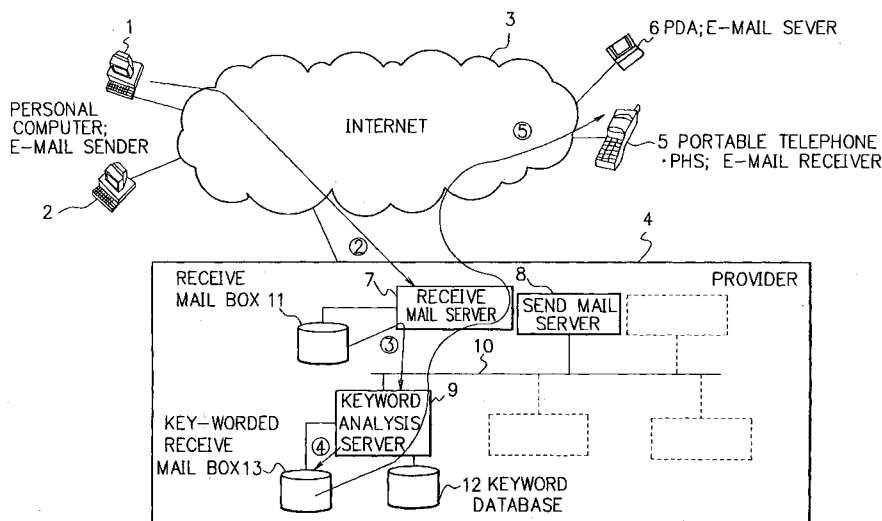
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(54) **E-mail processing system, processing method and processing device**

(57) An e-mail processing system, processing method and processing device includes a provider connected to personal computers (PCs) and a portable telephone or a PHS or a PDA via Internet. In the provider, the content of a received e-mail is compressed by a keyword analysis to obtain a short text of the e-mail, and the short text is sent from the provider to the e-mail receiver via the Internet. The e-mail receiver receives and displays the short text to immediately understand the content of the received e-mail. The whole short text can be displayed on a small screen of the portable telephone

(PHS) or the PDA without scrolling the displayed e-mail. The provider can rearrange the received e-mail in order of receiver's priority and send the rearranged e-mail to the e-mail receiver via the Internet. The receiver can receive and read in his optimum order with ease of use, and the e-mail requiring an urgent action can be preferentially displayed. The provider can convert the e-mail text document into voiced e-mail and sends the voiced e-mail to the receiver via the public telephone network. The e-mail receiver can listen to the voiced e-mail using the telephone such as the portable telephone (PHS) without using the PC or the PDA.

FIG. 1





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EUROPEAN SEARCH REPORT

Application Number
EP 01 11 2622

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	JP 11 316762 A (NIPPON TELEGR & AMP; TELEPH CORP <NTT>) 16 November 1999 (1999-11-16)	1,3,11,17	G06F17/60 G06F17/28
Y	* abstract *	2,4,13,15	

X	US 5 377 354 A (BARES PASCALE ET AL) 27 December 1994 (1994-12-27)	5,12,18	
Y	* abstract; figure 1 *	2,4,8,9,13,16	
	* column 2, line 34 - column 3, line 11 *		
	* column 3, line 64 - column 4, line 5 *		
	* column 5, line 7 - line 12 *		
	* column 6, line 9 - line 63 *		
	* column 7, line 56 - column 8, line 19 *		
	* column 8, line 63 - column 9, line 38 *		

X	US 6 061 718 A (NELSON MICHAEL P) 9 May 2000 (2000-05-09)	6,7,10,14,19	
Y	* abstract; figure 3 *	8,9,15,16	
	* claims 1-8 *		
	* column 4, line 32 - column 5, line 35 *		
	* column 5, line 31 - line 67 *		

A	JP 10 334090 A (OKINAWA NIPPON DENKI SOFTWARE KK) 18 December 1998 (1998-12-18) * abstract *	20-29	

A	STUART, R: "Cutting the Mouse Tail" NORTHCON/98. CONFERENCE PROCEEDINGS, 'Online! 23 October 1998 (1998-10-23), XP002262307 Seattle, WA, USA Retrieved from the Internet: <URL:www.irda.org/design/pubs/moustail.pdf > 'retrieved on 2003-11-18! * page 1, paragraph 3 - paragraph 4 *	20-29	

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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 21 November 2003	Examiner Moynihan, M
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	

EPO FORM 1503 03/02 (P04C01)



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EUROPEAN SEARCH REPORT

Application Number
EP 01 11 2622

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	EP 0 966 138 A (NCR INT INC) 22 December 1999 (1999-12-22) * abstract; claims 3-5 * -----	20-29	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 21 November 2003	Examiner Moynihn, M
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 11 2622

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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21-11-2003

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 11316762 A	16-11-1999	NONE	
US 5377354 A	27-12-1994	DE 69020457 D1	03-08-1995
		DE 69020457 T2	14-03-1996
		EP 0413537 A2	20-02-1991
		IE 902946 A1	27-02-1991
US 6061718 A	09-05-2000	AU 743645 B2	31-01-2002
		AU 8659198 A	16-02-1999
		BR 9810741 A	12-09-2000
		WO 9905626 A1	04-02-1999
JP 10334090 A	18-12-1998	JP 2974295 B2	10-11-1999
EP 0966138 A	22-12-1999	EP 0965938 A2	22-12-1999
		EP 0965959 A1	22-12-1999
		EP 0965939 A2	22-12-1999
		EP 0965940 A2	22-12-1999
		EP 0965941 A2	22-12-1999
		EP 0978800 A2	09-02-2000
		EP 0966138 A2	22-12-1999
		EP 0966139 A2	22-12-1999
		JP 2000163501 A	16-06-2000
		JP 2000113091 A	21-04-2000
		JP 2000163502 A	16-06-2000
		JP 2000099614 A	07-04-2000
		JP 2000113092 A	21-04-2000
		JP 2000151829 A	30-05-2000
		JP 2000156891 A	06-06-2000
		JP 2000105793 A	11-04-2000
		US 6424845 B1	23-07-2002
		EP 0987660 A1	22-03-2000
		EP 0991039 A2	05-04-2000
		JP 2000115065 A	21-04-2000
		JP 2000194484 A	14-07-2000